

Alpha D01 DVR

4 Channel Digital Video Recorder



Operating Instructions

Before You Begin

■ **FCC Verification:**

NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

These devices comply with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) These devices may not cause harmful interference, and
- (2) These devices must accept any interference received, including interference that may cause undesired operation.

■ **IMPORTANT NOTE: Prohibition against eavesdropping**

Except for the operations of law enforcement officers conducted under lawful authority, no person shall use, either directly or indirectly, a device operated pursuant to the provisions of this Part for the purpose of overhearing or recording the private conversations of others unless such use is authorized by all of the parties engaging in the conversation.

- **WARNING:** Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

■ **IMPORTANT SAFETY INSTRUCTIONS:**

- Make sure product is fixed correctly and stable if fastened in place
- Do not operate if wires and terminals are exposed
- Do not cover vents on the side or back of the DVR and allow adequate space for ventilation

Contents

Before You Begin	2
Contents	3
Package Contents	4
DVR Layout	5-6
Front Panel & Removable Remote	6
Rear Panel	6
Connections & Installation	
Connecting Cameras and Power Adapter	7
Connecting the DVR to a TV Monitor	8
Turning the DVR On/Off and Auto Recovery	8
Menu Operation	9
Accessing and Navigating the Menu System	9
Setting DVR Time	9
Image Display	10
Single Camera View	10
Multi Camera View	10
Camera Menu	11
Record Menu	11-12
Motion Detection Menu	12-13
Screen Menu	13
Audio Menu	14
System Menu	14-15
Time Search	15
Language Menu	16
Exit Menu	16
Starting the DVR With a New Hard Drive	16
Changing the Hard Drive	17
Backing Up Footage to PC	18
Viewing Backup Footage on a PC	19
Using the VVFPlayer software	19
VVFPlayer Interface	19
Extract footage from a larger video clip	20
Exporting an AVI file	20
Troubleshooting Guide	21
Technical Specifications	22
Warranty Information	23
Technical Support Details	Back cover

Package Contents

- Alpha D01 DVR Unit
- Front Panel Remote Control X 2
- Operating Instructions
- Easy Setup Guide
- Power Adapter with Cable
- Software CD
- RCA Video Cable
- BNC to RCA adapters X 4
- Security Stickers (4 Pack)

If you are missing any of the components above, contact Swann Communications for assistance.

DVR Layout

■ Front Panel & Removable Remote



1. Hard Drive Indicator

Lights when hard drive is active (flashes when recording, searching etc.)

2. Power Indicator

Lights on when DVR powered

3. Channel 1 Button

Press to view camera 1 in full screen / Press again to return to quad view

4. Channel 2 Button

Press to view camera 2 in full screen / Press again to return to quad view

5. Menu Button

Press to select Menu / previous menu / exit menu

Note: some menu functions require a password. Default password is "111111"

6. Set Button

Press to confirm selection

7. Record/Stop Button

Push to begin or stop recording
Note: will not work if time or motion record is set.

8. Play/Pause Button

Push to open EVENT LIST, begin last recording or pause playback

9. Remote Control Sensor

10. Channel 3 Button

Press to view camera 3 in full screen / Press again to return to quad view

11. Channel 4 Button

Press to view camera 4 in full screen / Press again to return to quad view

12. Up Arrow

Move cursor up in menus

13. Down Arrow

Move cursor down in menus

14. Rewind Button

Push to rewind playback / Move cursor left in menus

15. Fast Forward Button

Push to fast forward playback / Move cursor right in menus / Activate AUTO SWITCH function

Note: 3-15 removable front panel remote

Using the Remote Control for the First Time

Remove plastic tab on this end of remote.



IR LED

The remote control contains a battery that must be activated before use. Find and remove the clear plastic tab at the bottom of the remote. The remote will now be ready for use.

DVR Layout (cont)

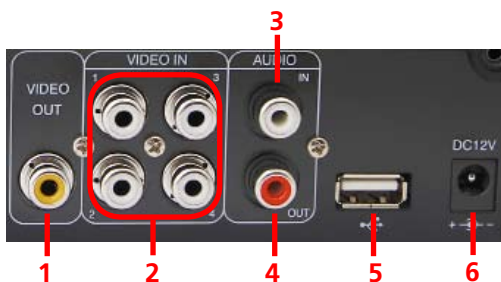
■ Removing the Remote Control



Use the indent to
remove the control from
the DVR unit

Note: To secure the DVR and prevent unauthorised use remove the remote and store in a secure place.

■ Rear Panel



1. Video Output
Output to TV

2. Video Input
Inputs for cameras x 4 RCA

3. Audio Input
Input for microphone 1 x RCA

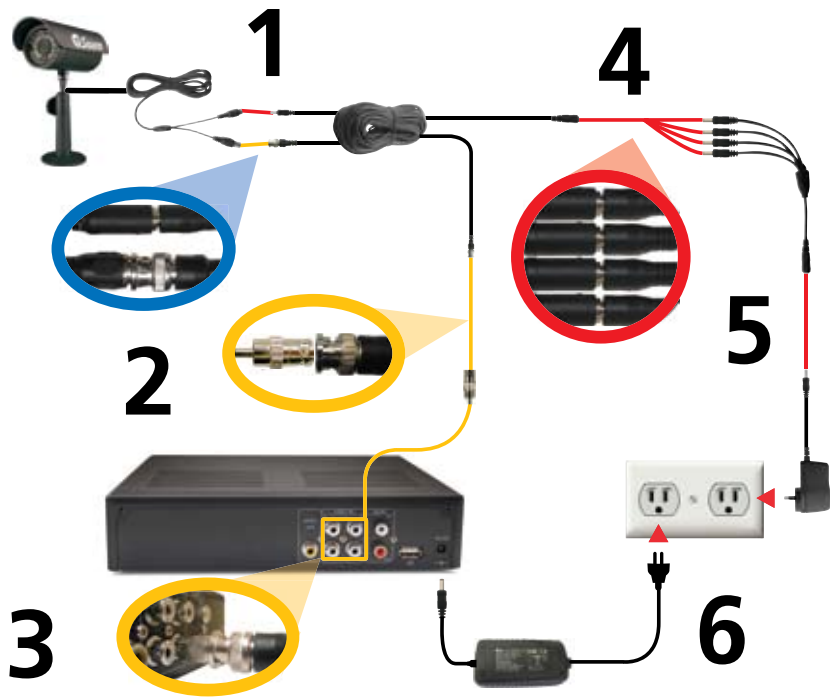
4. Audio Output
Output to speaker 1 x RCA

5. USB Connection
Download backup footage to Flash Drive (not included)

6. DC 12V Power Input
Power Adapter connection for DC 12V adapter only

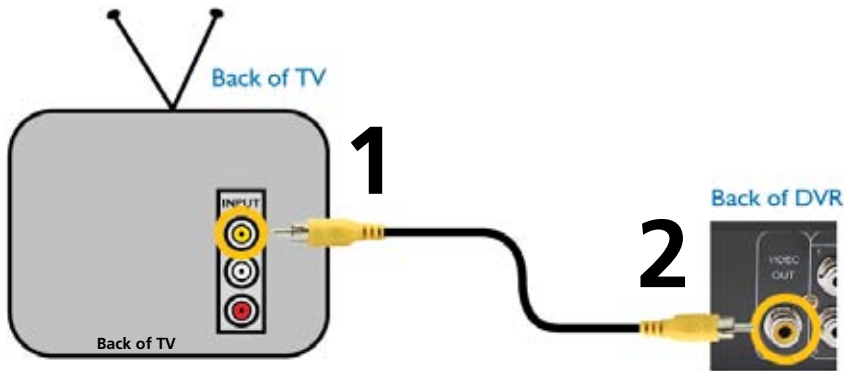
Connecting Cameras and Power Adapter

Cameras and
accessories optional



1. Connect the Power and BNC ends of the Security Camera to an Extension Cable.
2. Connect the BNC end of the Extension Cable to the RCA adapter.
3. Connect the end of the RCA adapter to camera input on the back of the DVR.
4. Connect the power end of the Extension Cable to the Power Splitters.
5. Connect the Power Splitter to the Camera Power Adapter.
6. Plug in the Camera Power Adapter and the DVR Power Adapter to mains power outlets.

Connecting the DVR to a TV Monitor



1. Connect an RCA end of the Video Cable to the Yellow Video INPUT on the back of the TV Monitor.
2. Connect the other RCA end of the Video Cable to the Video OUTPUT connection on the back of the DVR.
3. Tune your TV to the correct input channel to view the DVR. Using your TV's Remote Control press the Input button until the DVR appears on screen. Most TVs will label this button as Input, Video, Source, AV, TV/AV, Line, Channel 0, etc. If you are unable to view your DVR on your TV contact your TV's manufacturer for assistance.

Turning the DVR On/Off and Auto Recovery

■ Powering the DVR On/Off

To turn on your DVR connect the Power Adapter to the DC 12V input on the back of the unit. To turn the DVR off unplug the DVR from the wall outlet or power point.

If the DVR will not be in use for extended periods of time Swann recommends unplugging the unit.

■ Auto-Recovery Feature



The Alpha D01 DVR is equipped with an Auto-Recovery feature. Should a power outage occur while you are recording the DVR will automatically resume recording once power is restored.

Menu Operation

■ Accessing and Navigating the Menu System

The main Setup Menu can be accessed by pressing the MENU Button 

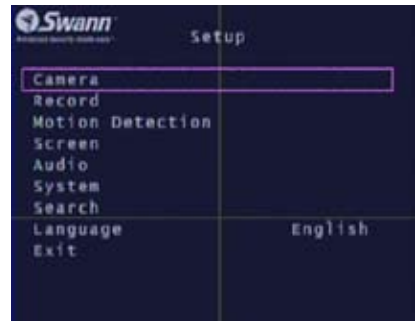
To navigate the menus press the directional arrow keys UP  DOWN 

To change selections use the REWIND  & FAST FOWARD  buttons

To select the highlighted option press the SET button

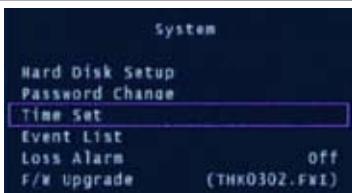
To return to the previous menu press the MENU button

Note: The menu cannot be accessed while in playback or backup mode.
Return to the main camera view before entering the menu.

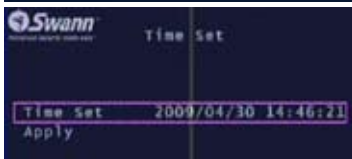


Main Setup Menu

Setting DVR Time

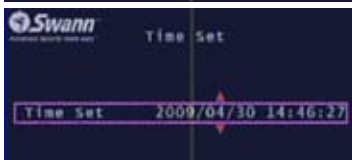


To change the DVR time, go into the SYSTEM menu and select TIME SET.



With TIME SET highlighted press the SET button to display the selection arrows.

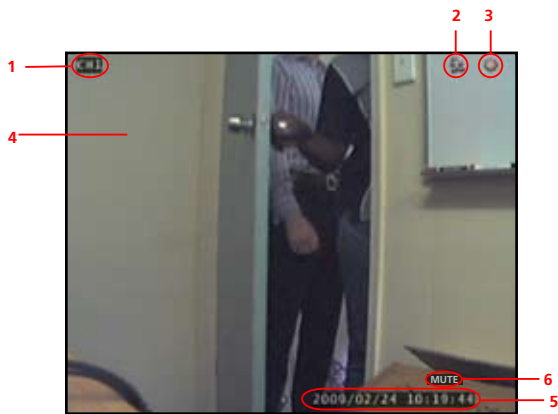
Use the FAST FOWARD & REWIND buttons to select between the date (year, month, day) and time (hour, minute, seconds)



Using the UP & DOWN buttons change the selected option

Image Display

Single Camera View



- 1. Current Camera Channel
- 2. Motion Detection Icon
- 3. Recording Icon
- 4. Main Display
- 5. Current Date & Time
- 6. Mute Audio
- 7. No Camera Signal Icon

Multi Camera View

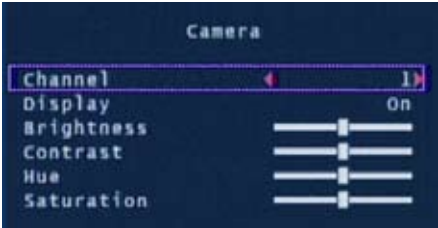


Multi Camera View with 4 Cameras



Multi Camera View with No Cameras

Camera Menu



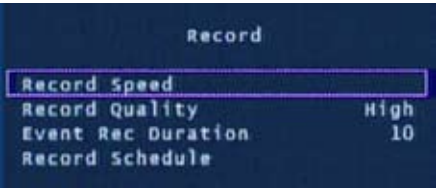
The Camera menu allows you to change visual attributes on each of the camera channels.

Channel: Display the attributes of currently selected camera 1-4.

Display: Turn the selected camera On or Off in the main display.

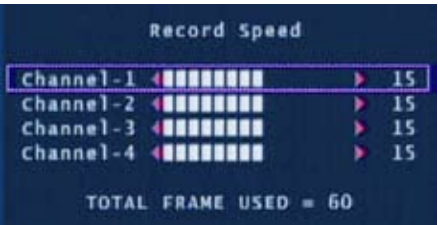
Brightness, Contrast, Hue, Saturation: Using the UP & DOWN buttons highlight the display option you want to change. Use the FAST FOWARD button to increase the settings and the REWIND button to decrease them.

Record Menu



The Record Menu adjusts recording quality, timers and schedules.

Record Speed: Set the recording frame rate per camera. Note: higher frame rates provide smoother recordings but use more hard drive space.



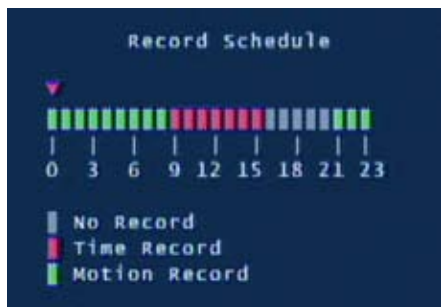
You may individually set the Record Speed of each camera. The total number of frames used can not exceed 60 for NTSC systems or 50 for PAL systems. Setting lower frame rates will consume less hard drive space.

Record Menu (cont)

Record Quality: Set the image quality of the recordings from Normal, High or Highest. Note: higher image quality settings use more hard drive space.

Event Rec Duration: When Motion Detection is active, Event Rec Duration is the length of time in seconds the DVR will record after motion stops, from 5, 10, 15, 20, 25 or 30 seconds. Default is set to 10 seconds.

Record Schedule: Set different recording modes depending on the time of day.



The Record Schedule allows you to set the recording mode for each hour of the day based on a 24 hour clock. Use the left / right keys to move and up / down keys to change the current selection.

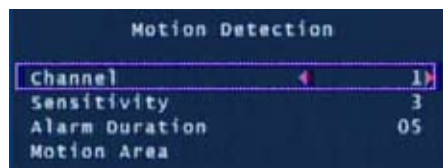
No Record: will not record

Time Record: will record for the entire hour

Motion Record: will only record when motion is detected

Important: To enable Motion Recording you must set the hour to Motion Record (green) AND set the Sensitivity and Motion Area in the Motion Detection menu.

Motion Detection Menu



The Motion Detection menu allows you to set motion options for each camera.

Note: The DVR detects motion based on the level of change in the picture.

Channel: Select which camera attributes to change from camera 1-4.

Sensitivity: Set the amount of movement necessary before motion detection triggers recording. Set from 1 (most sensitive) to 4 (least sensitive), default Off. Note: this feature must be set from 1-4 to enable motion recording.

Alarm Duration: Set the length of time the alarm will sound when motion is detected. Set to Off, 5, 10, 15, 20, 25, 30 seconds or Continuous. Note: If the Alarm Duration is set to Continuous the alarm will continue to sound until this setting is changed.

Motion Detection Menu (cont)

Motion Area: Select the area of the Camera to detect motion. Motion occurring outside this designated area will not trigger a recording.



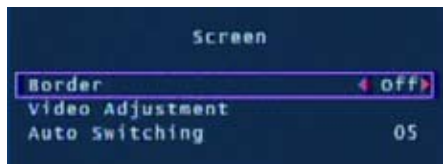
Use the UP, DOWN, REWIND & FAST FOWARD buttons to move the cursor. Press the SET button to begin to draw the motion detection area. Using the arrow buttons draw your desired motion area and press the SET button again once complete.

In the example to the left, the blue motion box is drawn over the door. Only motion occurring in this area will trigger recording i.e. the door opening.

This feature is helpful in high traffic areas where only a small portion of the screen needs to be monitored for example, looking down a driveway with a busy road next to it.

Important: To enable Motion Recording you must set the Sensitivity, Motion Area for each camera AND set Motion Record in the Record Schedule menu.

Screen Menu



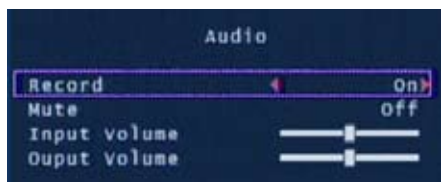
The Screen menu adjusts the display of cameras in the main camera view.

Border: Applies a border between the cameras in multi camera view.

Video Adjustment: Adjust the display to fit on your TV monitor.

Auto Switching: When active, in live view mode, the DVR will automatically switch between camera channels in full screen mode. Set the delay from 1-10 seconds between changes or Off. To activate Auto Switching, press the FAST FORWARD ►►/- button when viewing your cameras. Press the ►►/- button again to stop Auto Switching.

Audio Menu



The Audio menu sets the audio recording and volume options.

Note: You must have a camera with audio or a powered microphone to record or monitor audio.

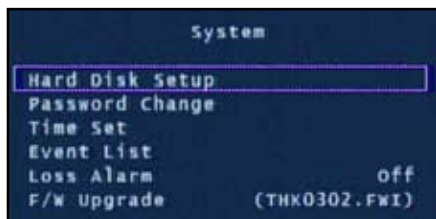
Record: Set to ON to record audio from the Audio Input on the back of the DVR.

Mute: Turns Audio output on or off when viewing or recording cameras. Alternatively, press the Mute button to turn Audio on or off while viewing your cameras.

Input Volume: Move the slider to change the volume of the audio recorded.

Output Volume: Move the slider to change the volume of audio playback.

System Menu



The System menu provides general setup options such as hard disk information, time, date and firmware settings.

Hard Disk Setup: Display information about the installed hard disk including total size and memory usage.

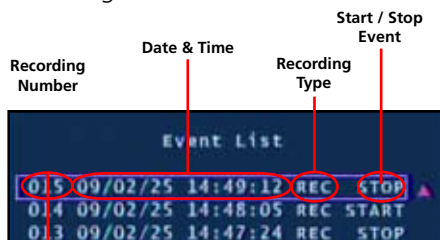
Overwrite Enable: If activated, when the hard disk is full the DVR will overwrite the oldest footage automatically. Default: Yes.

Format HDD: This option will permanently delete all data on the hard disk. The password must be correctly entered to format the hard disk.

Password Change: This option will change the current password. You will be prompted to enter the current password, the new password and then confirm the new password before the change is complete. Note: The default password is "111111". If you have lost or forgotten your password contact Swann Communications Technical Support for assistance.

System Menu (cont)

Event List: Displays a list of the last 127 recorded events from the most recent recording to the oldest. Use the Time Search feature for older events not in list.



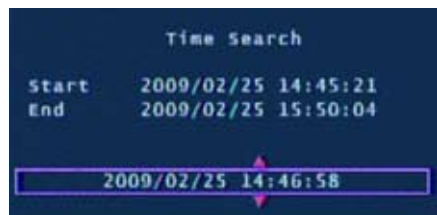
Use the arrow buttons to select and playback the highlighted Event. Press Stop to exit playback mode.

Hint: You can also access the Event List by pressing the Play button while viewing your cameras.

Loss Alarm: When enabled an audible alarm will sound indicating the DVR has lost the camera signal or a camera has been unplugged.

F/W Upgrade: Displays the current firmware version and allows future upgrades via a USB Flash Drive. Do not remove the Flash Drive while the firmware is updating as it may damage the DVR. Only use updates authorized by Swann. When complete, remove the Flash Drive and restart the DVR.

Time Search



Time Search allows you to quickly jump to a specific time and date to view a recording.

Start time: This is the date and time of the oldest recording on the DVR.

Stop time: This is the date and time of the final recording on the DVR.

Enter a time between the Start and End time and press the Play button to view a recording.

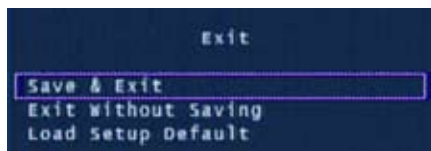
Press the Fast Forward and Rewind buttons to quickly scan through recordings. Press Fast Forward or Rewind multiple times to speed up playback.

Press the Stop button to exit playback mode.

Language

With the Language option selected push the SET button to switch between English and Chinese.

Exit Menu



Save, Exit or Load Setup Defaults from the Exit menu.

Press SET to select the highlighted option.

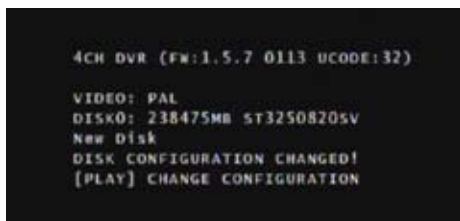
Save & Exit: Use this option to save all settings that have been changed in the DVR menus. All changes made will be lost if you do not choose this option.

Exit Without Saving: Select to disregard any changes that have been made and return to camera view.

Load Setup Default: Reset all settings on the DVR to factory defaults.

Starting the DVR With a New Hard Drive

When starting the Alpha D01 DVR for the first time or starting the DVR after changing to a new hard drive, the DVR will configure the hard drive for use. Follow the on screen prompts to configure the hard drive.



1. After the DVR recognizes the new hard drive press PLAY to configure for use.



2. When the hard drive is configured you will be asked to format or cancel. Press PLAY to confirm the format.

IMPORTANT NOTE: If format is chosen all existing data on the hard drive will be deleted and unrecoverable.

Installing or Changing a Hard Drive

IMPORTANT NOTE: The following instructions are for installing or changing the hard drive. If your Alpha D01 DVR already has a hard drive pre-installed disregard these steps.

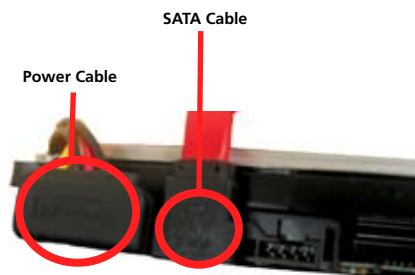
Installing / Changing a Hard Drive in the Alpha D01 DVR

1. Ensure the Alpha D01 DVR is unplugged and removed from mains power.



2. Locate and remove the 6 screws 2 on each side at the front and 2 at the top on the back. (The bottom screws on the front do not need to be removed.

3. Pull up the top case of the DVR.




4. Locate the screws below the hard drive. Secure the hard drive before removing the 4 screws to avoid damaging the hard drive

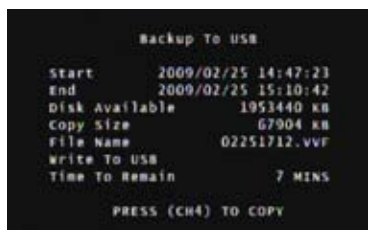
5. Push the metal clip on the SATA cable (single RED or ORANGE cable) to unplug the cable from the hard drive. Unplug the power cable (2 BLACK 1 YELLOW and 1 RED cable) from the back of the Hard Drive.

6. Replace the Hard Drive and plug in the SATA and the power cable as shown in step 5.
7. Screw in the hard drive to the bottom of the case as in step 4.
8. Replace the top of the case.
9. Screw in the remaining screws to the sides and back of the DVR as in step 2.

Backing Up Footage to PC

The Alpha D01 DVR has a backup feature via the USB port on the back of the DVR. The DVR accepts most flash drives or thumbdrives. The flash drive / thumbdrive must be formatted to the FAT32 file system. Please see your flash drive's / thumbdrive's instructions regarding formatting. Follow the steps below to backup footage:

1. Insert a USB flash drive / thumbdrive (not included) to the USB port.
2. Press Play to enter playback mode or use the Time Search feature to find a recording.
3. Pause playback at the start of the footage you would like to backup.
4. Press the  Menu / File button to display the USB Backup Mode.
5. Press the CH1 button to designate the start of a backup recording.
6. Play and find the end of the footage you want to backup and press Pause.
7. Press the CH2 button to indicate the end of a backup recording.
8. When you have chosen the START and END time of the recording press the CH4 button to continue.



9. The Backup to USB screen will appear with details of the USB device inserted, size requirements and file name. Press CH4 to begin copying.

10. When the backup is complete press the Stop button and remove the USB device.

NOTE: USB back up can take up to the same amount of time as playing back the video on screen. Eg. 1 hour play back may take up to 1 hour to back up.

WARNING: Do not connect the DVR directly to a computer. Do not remove the USB Flash Drive while the DVR is copying footage. Damage may occur to attached devices if used improperly.

Viewing Backup Footage on a PC

■ Using the VVFPlayer software

View backed up footage from the Alpha D01 DVR with the included VVFPlayer software located on the CD.

1. Put the CD in the CD drive. If it does not open automatically, click START open MY COMPUTER and Double click the CD drive.
2. Copy the VVFPlayer_V2_6_4B software from the CD to your computer.
3. Double click to open the VVFPlayer software.
4. Click the File Folder (4) to bring up the open screen. Navigate to the video you want to view and press Open. The backup file will have a .VVF extension.
5. Use the controls to view the video footage.

■ VVFPlayer Interface



- | | |
|---------------------------------|----------------------------------|
| 1. File name | 10. Play |
| 2. Date & time of recording | 11. Fast Forward (16x, 32x, 64x) |
| 3. Current play state | 12. Photo snapshot |
| 4. Open File | 13. Single Camera View |
| 5. Fast Reverse (16x, 32x, 64x) | 14. Split screen view |
| 6. Reverse (1x) | 15. Timeline slider |
| 7. Previous frame | 16. Sound / Mute |
| 8. Pause | 17. Volume |
| 9. Next frame | 18. Camera view |

Viewing Backup Footage on a PC (cont)

■ Extract footage from a larger video clip

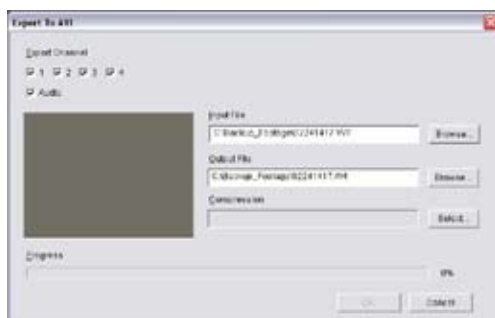
When dealing with larger backup files it may be necessary to extract smaller clips. The following describes how to extract footage and export to a new .VVF file.

1. Open and play the clip to extract from.
2. Pause the clip where you want to start the extraction.
3. Right-click the camera view and select Capture > Mark In
4. Find and Pause the clip at the end of the extraction.
5. Right-click the camera view and select Capture > Mark Out
6. Right-click the camera view and select Capture > Export and save the file name and location. Note this export is in .VVF format.

■ Exporting an AVI file

To view video footage on another computer create an AVI file using the built in export ability.

1. Right-click the main Camera view and click Export > AVI



2. Click "Browse..." next to Input File and select the video you want to convert.
3. Click "Browse..." next to Output File to select a location to export.
4. Choose your preferred compression method by clicking Select... If you are unsure which method to use, select the default uncompressed mode.
5. Click OK to export the file.
6. Playback the file in your preferred media player.

Troubleshooting Guide

Problem: The Power light keeps blinking red.

Solution: Ensure you are using the correct Power Adapter provided for the DVR. If you have purchased the DVR as part of a kit, make sure the cameras are operating on a separate Power Adapter. The larger power adapter with higher amps is designed specifically for the DVR.

Problem: The hard drive is not working.

Solution: Ensure the DVR is using the correct Power Adapter supplied. Open the DVR and ensure the SATA cable is connected to the DVR and Hard Drive.

Problem: The hard drive usage is at 100% and will not record.

Solution: Format the hard drive or set the hard drive to overwrite mode.

Problem: I can only see a blue screen where my camera should be.

Solution: If only 1 camera view is blue, the DVR is not receiving that camera's signal. Check that the camera connections on the back of the DVR are secure. Ensure the camera is plugged in and has power.

Problem: The DVR will not turn on.

Solution: Make sure you are using the correct Power Adapter for the DVR. Try a second power outlet. Check the connections on the back of the DVR.

Problem: My DVR does not save footage more than a few days old.

Solution: Change the quality settings to Normal, lower the camera frame rates or enable motion recording to conserve hard drive space.

Problem: I want to format my Hard Drive but I don't remember the password.

Solution: The default password is "111111". Swann recommends changing the default password to prevent tampering or unauthorized use.

Problem: I am using wireless cameras and the DVR keeps beeping and motion records all the time.

Solution: Analog wireless cameras suffer from interference. The DVR interprets the change of image as motion and records. Swann recommends the use of wired cameras or digital wireless cameras such as the ADW-300 for DVR recording.

Problem: I am unable to playback recorded footage.

Solution: Make sure when selecting footage to playback that you have highlighted the START time of that footage and not the STOP time

Technical Specifications

Video/Audio

Video Format:	NTSC / PAL depending on region
Operating System:	Embedded RTOS
Video Input:	RCA x 4
Audio Input:	RCA x 1, Line-In
Video Output:	BNC x 1
Audio Output:	RCA x 1, Line-Out

Display and Recording

Display Frame:	NTSC: 120 fps (4 × 30 fps) PAL: 100 fps (4 × 25 fps)
Global Recording Frame Rate:	NTSC: Max. 60 fps PAL: Max. 50 fps
Video Operation Duplex :	Record, Playback
Display Resolution:	NTSC: 640 x 448 PAL: 640 x 544
Recording Resolution:	NTSC: 640x224 PAL: 640x272
Compression Format:	Modified MJPEG
Size per frame:	Normal: 12K Bytes High: 15K Bytes Highest: 20K Bytes

General

HDD Interface:	SATA HDD x 1
Backup Method:	USB Flash Drive, Thumbdrive (up to 2GB max)
Search Mode:	Time/Date, Event
Full Screen:	Yes
Motion Detect:	Yes
Loss Detect:	Yes
Auto Switching:	Yes
Buzzer Output:	Yes
Brightness Adjust:	Yes
Contrast Adjust:	Yes
Recovery Mode:	Auto Restore Record on power failure
DC Input:	DC 12V
Dimensions:	8.9" x 8.2" x 2.1" 225mm X 208mm X 53mm
Weight:	2.8lbs 1.3kg

Warranty Information

Swann Communications USA Inc.
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Santa Fe Springs CA 90670
USA

Swann Communications
Unit 13, 331 Ingles Street,
Port Melbourne Vic 3207

Swann Communications LTD.
Stag Gates House
63/64 The Avenue
SO171XS
United Kingdom

■ Limited Warranty Terms & Conditions

Swann Communications warrants this product against defects in workmanship and material for a period of one (1) year from it's original purchase date. You must present your receipt as proof of date of purchase for warranty validation. Any unit which proves defective during the stated period will be repaired without charge for parts or labour or replaced at the sole discretion of Swann. The end user is responsible for all freight charges incurred to send the product to Swann's repair centres. The end user is responsible for all shipping costs incurred when shipping from and to any country other than the country of origin.

The warranty does not cover any incidental, accidental or consequential damages arising from the use of or the inability to use this product. Any costs associated with the fitting or removal of this product by a tradesman or other person or any other costs associated with its use are the responsibility of the end user. This warranty applies to the original purchaser of the product only and is not transferable to any third party. Unauthorized end user or third party modifications to any component or evidence of misuse or abuse of the device will render all warranties void.

By law some countries do not allow limitations on certain exclusions in this warranty. Where applicable by local laws, regulations and legal rights will take precedence.

Alpha Indoor / Outdoor Security Camera

Night Vision 30ft / 9m



Operating Instructions

Before you begin

■ **FCC Verification:**

NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

■ **IMPORTANT:** Prohibition against eavesdropping.

Except for the operations of law enforcement officers conducted under lawful authority, no person shall use, either directly or indirectly, a device operated pursuant to the provisions of this Part for the purpose of overhearing or recording the private conversations of others unless such use is authorized by all of the parties engaging in the conversation.

■ **WARNING:** Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

■ **IMPORTANT SAFETY INSTRUCTIONS:**

- Make sure product is fixed correctly and stable if fastened in place
- Do not operate if wires and terminals are exposed

Table of Contents

Before You Begin	2
Table of Contents	3
Package Contents	3
Connection Guide	4 - 5
Viewing the Camera on Your TV or VCR	6
Tips & Suggestions	6
Troubleshooting Guide	7
Helpdesk / Technical Support Details	Rear Cover
Warranty Information	Rear Cover

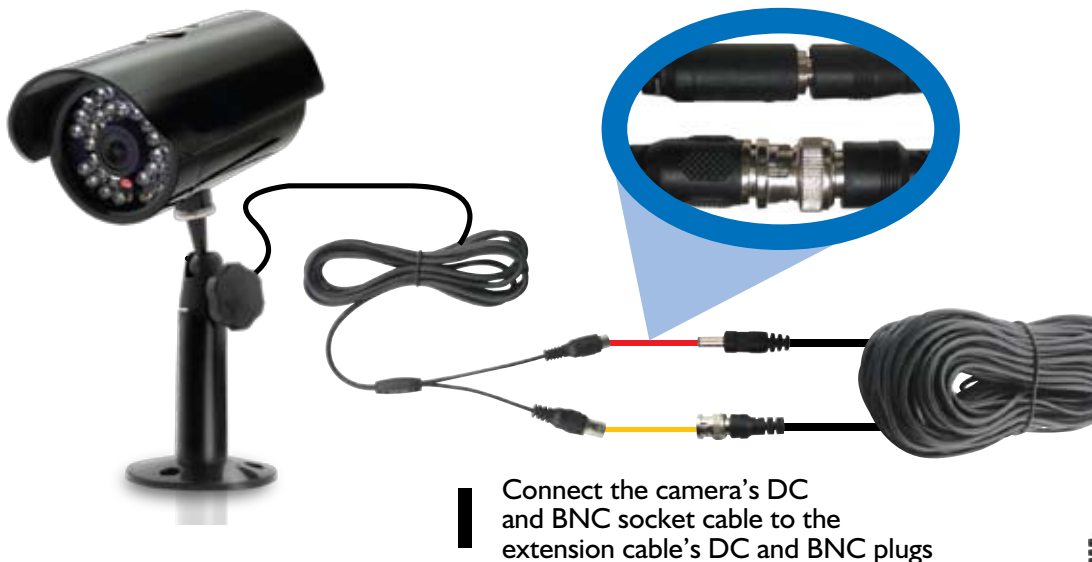
Package Contents

Single Camera Pack

- 1 x Alpha Security Camera
- 1 x Camera Stand
- 1 x BNC Extension Cable
- 1 x BNC to RCA Adapter
- 1 x Power Adapter
- 1 x Operating Instructions
- 4 x Security Stickers
- Mounting Hardware

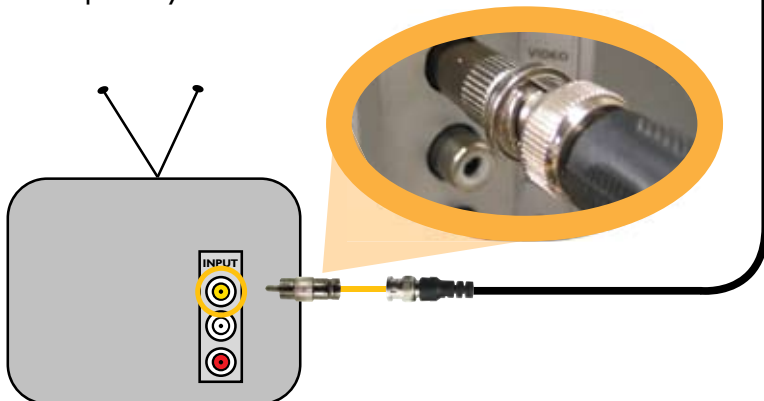


Connection Guide



2A. Connecting Directly to TV

2 Connect the BNC to RCA Adapter and connect to Video Input on your TV or VCR



FOR 4 CAMERA PACKS

3B Connect the extension cables DC socket to one of the four sockets on the power splitter. Then, plug the single end of the power splitter to the DC plug on the power adaptor.



4 Plug in the camera power adapter into a wall socket

FOR A SINGLE CAMERA

3A Connect the extension cables DC socket to the DC plug on the power adapter



2B. Connecting to Your Existing DVR

2 Connect the BNC Extension Cable to an open channel on the back of the DVR



Viewing the Camera on Your TV or VCR

■ Viewing the Alpha Security Camera on a TV

After connecting the Alpha Security Camera directly to your TV and powering it on as described on page 4, tune the TV to the correct input channel.

On your TV's remote control, the input button is usually labelled as Input, Source, AV, Channel 0, AUX etc.*

■ Viewing and Recording the Alpha Security Camera on a VCR

Connect the Alpha Security Camera into an available input channel on your VCR in the same manner as the TV connection listed on page 4. Turn on your VCR and TV as if you were about to play a VCR tape.

On your VCR's remote control, find the input button with is usually labelled as L1, L2, Input, Source, AV, Channel, 0, AUX etc.* Insert a tape and push record to record the camera.

*Consult the TV or VCR instruction manual for details about changing input channels

Tips & Suggestions

Never aim the camera directly at the sun as it may damage the sensor

Test all connections and ensure the camera is working correctly prior to permanent installation

Install cameras high enough or out of reach to avoid tampering

Place Security Stickers in a visible location to alert potential thieves they are being monitored

Mix real cameras with dummy cameras to give the impression of increased security coverage

Purchase a Swann DVR to record multiple cameras simultaneously and easily monitor your property.

Place cameras in high traffic areas such as doorways to maximise security

Use only the included Power Supply and do not modify or cut wires

Troubleshooting Guide

Problem: I can't see the camera on my TV.

Solution: Ensure the camera is plugged in and the TV or VCR is tuned to the correct input channel.

Problem: When I view my camera at night I only see a bright spot and no image.

Solution: Night Vision will reflect when shining through a window. Move the camera to the other side of the window or another location.

Problem: The BNC Extension Cable will not connect to my TV.

Solution: Connect the BNC to RCA adapter to the end of the Extension Cable and plug into the TV.

Problem: On my Swann DVR, Video Loss appears where my camera should be.

Solution: Check the Extension cable is securely connected to the camera and check the connection is secure on the back of the DVR. Also ensure the camera has power by trying a second power outlet.

Technical Specifications

■ Video

Image Sensor	1/3" Color Super CMOS
Video Quality	400 TV Lines
Number of Effective Pixels	NTSC: 510 x 492 / PAL: 628 x 582
Minimum Illumination	0 Lux (IR on)
Day/Night Mode	Color during day / switches to B&W night
White Balance	Automatic
Signal / Noise Ratio	> 50dB
Electronic Shutter	1/60 - 1/15,000 NTSC / 1/50 - 1/15,000 PAL
Gain Control	Automatic
Backlight Compensation	Yes
Lens	6mm
Viewing Angle	53 degrees

■ Night Vision

Number of Infra-Red LEDs	30
Infra-Red Wavelength	850nm
Night Vision Distance	Up to 30ft / 9m
Infra-Red LED Life	10,000 hours

■ General

Operating Power	DC 12V
Operating Temperature	-10°C ~ 50°C / 14°F ~ 122°F
Body Construction	ABS Plastic
Dimensions - Camera	5.5" x 2.8" x 2.8" / 140mm x 70mm x 70mm
Dimensions - Stand	4.5" x 2.3" x 2.3" / 120mm x 60mm x 60mm
Weight - Camera & Stand	0.5lbs / 235g



7" LCD Colour monitor Operating Instruction

Table of Contents

Important Information regarding remote control	1
1. Precautions	1
2. Accessories.....	2
3. Appearance	3
4. Description of Buttons on Remote Control	4
5. Basic Operation Methods	5
6. Menu Operation	6
6.1. PICTURE	6
6.2. OPTION	6
6.3. CLOCK.....	7
6.4. SYSTEM	7
7. Before you request a replacement.....	8
8. Technical Parameters	9

Important information regarding remote control

■IR Remote Control

The **LCD monitor and DVR in this kit both use similar IR signals** from the remote controls. This means that when using the DVR remote to control the DVR itself, some of the DVR's remote buttons will also have an effect on the LCD screen. To prevent the annoyance of accidental changing of the input mode the LCD screen has had the Remote-control receive window covered with a small piece of black tape. Please ensure you remove this tape before changing any of the LCD screen settings and then replace it once you are finished. If the tape is lost simply replace it with similar black tape or cover it with your hand or other object while using the DVR remote. Leaving the Remote-control receive window uncovered will not result in any damage to the LCD screen.

1. Precautions

■Storage

1. Keep this product away from extremely hot or cold places. The storage temperature ranges from -20°C to 60°C and the working temperature from 0°C to 40°C .
2. Do not use this product near a damp environment like bathtubs, wash basins, kitchens, washtubs, as well as basements, swimming pools or similar places.
3. Do not expose your Monitor to high humidity, dust or oil smoke.
4. Do not throw or drop this product.
5. Do not subject this device to an enclosed space or strong vibrations, avoid heavy impact.
6. Do not push on or scrub this product with sharp objects.

■Maintenance

1. Disconnect all cables from this device at first before cleaning.
2. Wipe the enclosure, screen and keys using a damp soft cloth with a little mild detergent.
3. Do not use polishing cloth, abstergent and or any types of propellants or chemical detergents like alcohol and benzene to clean your device.

2. Accessories

1. Car adapter
2. AC adapter
3. Remote control
4. AAA type batteries
5. AV conversion cable
6. Base support
7. Operating Instructions

* If any of the contents are missing from your package please contact Swann for assistance.



Warning!

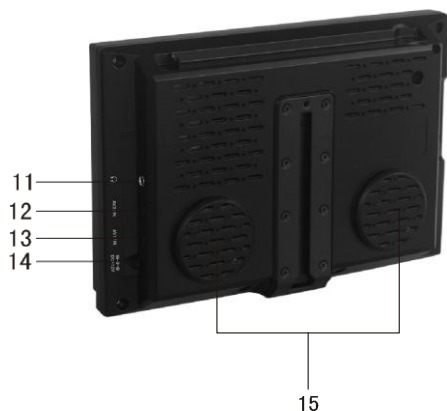
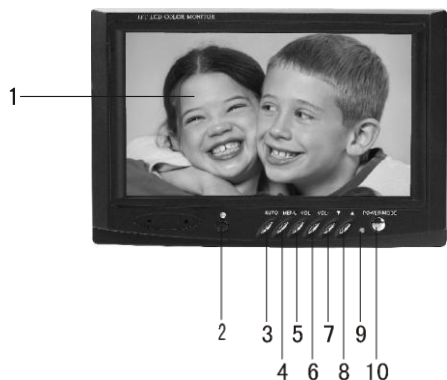
1. While driving do not watch programs or turn your Monitor on for your own and others' safety.
2. It is very dangerous to watch programs or operate the Monitor while driving or parking.



Special Notice

Bright spots or dark spots may appear on the screen. This is a normal phenomenon associated with the active matrix display technology and is not a sign of malfunction. For any failures, please turn off your Monitor immediately and contact Swann. This device integrates a great deal of fine electronic components. Disassembly or alteration may result in damage or breakage not covered by warranty.

3. Appearance



1. TFT-LCD screen
2. Remote-control receive window
3. AUTO: AV auto switch interval setting
4. MENU: Menu button
5. Volume-, selection-
6. Volume+, selection +
7. Selection ↓
8. Selection ↑
9. Power indicator Red:
Standby Green: Power-on
10. POWER/MODE:
Standby/AV1/AV2 switch
11. Headphone jack
12. AV2 IN jack
13. AV1 IN jack
14. DC Input jack
15. Speaker

4. Description of Buttons on Remote Control

- VOL - / + (Volume adjust)

Press VOL - , the audio volume decreases.

Press VOL +, the audio volume increases.

- MUTE (Mute): Press this button, sound disappears, press it again or VOL+ to resume normal sound.

- MENU (Menu button): Press this button to display the following four submenus: PICTURE, OPTION, CLOCK and SYSTEM.

- POWER (Standby/On):

Press this button to switch between "Standby" mode and "ON".

- MODE (Mode): By pressing this button, users can choose one of the five picture modes of Standard, Soft, Vivid, Light and Personal.

- CALL (Call):

Press this button to display the AV Input currently selected.

- TIMER: Press this to set sleep off, to automatically turn off the screen after up to 120 minutes.

- LANG: Press this button to select multi language of OSD. CALE:

- Press this button to show Year, Month, Day and Week.

Press ▼ ▲to adjust the Year, press VOL - / VOL + to adjust the Month.

- AV: Press this button to switch between AV1/AV2/Auto switch input modes.

- ⇌: Press this button to flip the picture horizontally, and press it again to return to the original image.

- ↑↓: Press this button to flip the picture vertically, and press it again to return to the original image.

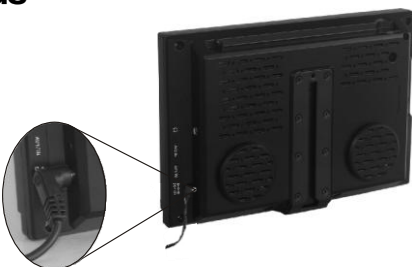
- 4:3 (LCD Display Mode) Two screen modes are supported, either 16:9 or 4:3. We recommend 4:3 for use with the DVR.

5. Basic Operation Methods

■ Basic interface connection

5.1 Connection of Power Supply:

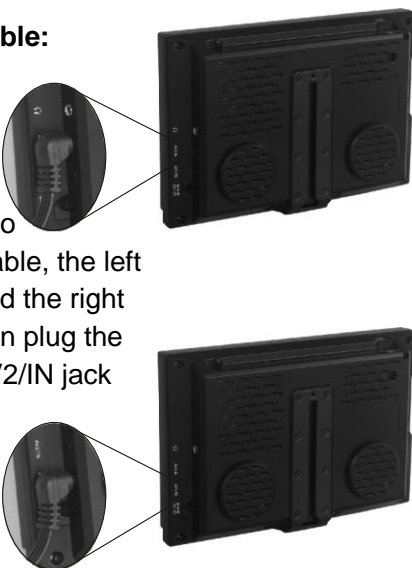
Align the power supply plug on AC adapter with the jack on the machine rear cover marked with DC.



5.2 Connection of AV converter Cable:



Insert the external video out cable into the yellow port of the AV converter cable, the left audio out cable into the white port and the right audio out cable into the red port. Then plug the AV converter cable in to AV1/IN or AV2/IN jack on the side of the monitor as shown.



6. Menu Operation

Press MENU to display options as follows:

PICTURE OPTION CLOCK
SYSTEM

6.1. PICTURE

CONTRAST, BRIGHT, COLOR, SHARP and TINT displays on the screen as per the description below:

Press ▲ or ▼ to select the item, Press ◀ or ▶ to adjust

Notice

The TINT option in the Picture menu will only show when displaying an image using the NTSC video system used in the USA.

6.2. OPTION

LANGUAGE, CALENDAR, GAME and AUTO CHANGE SOURCE displays on the screen as per the description below:

6.2.1. Press ▲ or ▼ to select the item LANGUAGE:

Press ◀ or ▶ to select multi language of OSD.

6.2.2. Press ▲ or ▼ to select the item CALENDAR:

Press ◀ or ▶ to select CALENDAR. Press ▲ or ▼ to adjust year, and

Press ◀ or ▶ to adjust month.

6.2.3. Press ▲ or ▼ to select the option GAME:

Press ◀ or ▶ then game begins, then press ◀ to move leftward, ▶ to rightward, ▼ to quick down and ▲ to rotate the game by 360 degrees.

Press POWER to exit game and return to VIDEO status.

6.2.4. Press ▲ or ▼ to select the item AUTO CHANGE SOURCE:

Press ◀ or ▶ to adjust monitor auto switch AV1/AV2 interval setting of 4 seconds, 6 seconds, 8 seconds an off.

6.3. CLOCK

TIME, ON-TIME, OFF-TIME, ATTENTION, will display on the screen as described below:

Press ▲ or ▼ to select item, Press ◀ or ▶ to setup.

Notice

If you wish to setup the other options, TIME must be setup first. All options are able to be set a maximum of 24 hours ahead.

6.4. SYSTEM

COLOR-SYS, BLUE BACK, HORIZONTAL, VERTICAL and ZOOM displays on the screen as below description:

6.4.1. Press ▲ or ▼ to select the option COLOR-SYS:

Then press ▶ to revolve the screen in the order of AUTO, PAL and NTSC. Please choose this system correctly or you may cause image problems and the screen will show incorrect colours.

We recommended you select the AUTO position so that the type of video input is automatically detected.

6.4.2. Press ▲ or ▼ to select the option BLUE BACK:

Press ◀ or ▶ can select whether the screen shows BLUE BACKGROUND when there is no signal.

6.4.3. Press ▲ or ▼ to select the option HORIZONTAL:

Press ◀ or ▶ to flip the HORIZONTAL image, press again to return to the default picture.

6.4.4. Press ▲ or ▼ to select the option VERTICAL:

Press ◀ or ▶ to flip the VERTICAL image, press again to return to the default picture.

6.4.5. Press ▲ or ▼ to select the option ZOOM:

Press ◀ or ▶ to select the option of picture modes: 4:3 mode, and 16:9 mode.

7. Before you request a replacement

Any of the issues noted below do not necessarily mean failure of the monitor.

Please check following and contact Swann support before you request a repair or replacement.

Problem	Possible Causes
No picture, no sound	Improper connection with CAR adapter. Use of incorrect power supply. The power switch is in the Off position.
No image	AV cord is incorrectly plugged or wrong AV input is selected?
No sound	Audio cord incorrectly plugged or wrong AV input is selected, or the sound volume is turned off or turned down to minimum.
Dark picture	The brightness and contrast have been adjusted incorrectly; or the environment temperature is too low.
No color	The colour settings are incorrectly adjusted. The COLOR-SYS is set to NTSC instead of PAL.
Upside down or horizontal inverted picture	Improperly adjusted Horizontal or Vertical setting using the remote control.

8. Technical Specifications

Product Name: 7" LCD Colour monitor

Display Device: Colour TFT-LCD

Screen Size: 7 inches diagonal

Resolution: 1440 (H) × 234 (V)

Contrast: 300:1

Brightness: 300cd/m²

Response time: R:15ms / F: 20ms

Viewing angle: U:40° / D:60° L/R:60°

Video Input: 1V P-P 75 Ohm composite video signal x 2 (AV1 – AV2)

Audio Input: 1.5V P-P Stereo (Left & Right channel) x 2 (AV1 – AV2)

Audio Output: >0.3W x 2CH - two 4.0cm round inbuilt speakers + external speakers / headphone jack

Connecting Terminal: Headphone jack, Audio / Video (AV) input jack, External power supply jack

Applicable Power Supply: Car adapter / DC power adapter @ 12V

Power Consumption: approximately 10W

Operating Temperature: -10°C ~ 50°C (14°F ~ 122°F)

Outer Dimension: 196mm X 130mm X 41mm (7¾" x 5¼" x 1½")

Weight: 410g (1lb)



Warning!

This product does not contain any user repairable components. Do not try to dismantle or alter the unit in any way. Maintenance and adjustment of the unit should only be performed by professionals.

Failure to operate the monitor in the proper manner or any unauthorised changes or modifications will void the product warranty.

Swann Technical Support

All Countries E-mail: tech@swannsecurity.com
Telephone Helpdesk

USA toll free

1-800-627-2799

(Su, 2pm-10pm US PT)

(M-Th, 6am-10pm US PT)

(F 6am-2pm US PT)

USA Exchange & Repairs

1-800-627-2799 (option 1)

(M-F, 9am-5pm US PT)

AUSTRALIA toll free

1300 138 324

(M 9am-5pm AUS ET)

(Tu-F 1am-5pm AUS ET)

(Sa 1am-9am AUS ET)

NEW ZEALAND toll free

0800 479 266

UK

0203 027 0979

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